

	9	18	27	36	45	54											
ATG	GCA	GGG	CCC	AAG	CTC	CAC	TAT	CCC	AAC	GGA	AGA	GGC	CGG	ATG	GAG	TCC	
M	A	A	R	P	K	L	H	Y	P	N	G	R	M	E	S		
	63	72		81		90		99		108							
GTG	AGA	TGG	GTT	TTA	GCT	GCC	GGA	GTC	GAG	TTT	GAT	GAA	GAA	TTT	CTG	GAA	
V	R	W	V	L	A	A	G	V	E	F	D	E	E	F	L	E	
	117	126		135		144		153		162							
ACA	AAA	GAA	CAG	TTG	TAC	AAG	TTG	CAG	GAT	GGT	AAC	CAC	CTG	TTC	CAA	CAA	
T	K	E	Q	L	Y	K	L	Q	D	G	N	H	L	F	Q	Q	
	171	180		189		198		207		216							
GTG	CCC	ATG	GTG	GAA	ATT	GAC	GGG	ATG	AAG	TTG	GTA	CAG	ACC	CGA	AGC	ATT	CTC
V	P	M	V	E	I	D	G	M	K	L	V	Q	T	R	S	I	L
	225	234		243		252		261		270							
CAC	TAC	ATA	GCA	GAC	AAG	CAC	AAT	CTC	TTT	GGC	AAG	AAC	CTC	AAG	GAG	AGA	ACC
H	Y	I	A	D	K	H	N	L	F	G	K	N	L	K	E	R	T
	279	288		297		306		315		324							
CTG	ATT	GAC	ATG	TAC	GTG	GAG	GGG	ACA	CTG	GAT	CTG	CTG	GAA	CTG	CTG	CTG	ATG
L	I	D	M	Y	V	E	G	T	L	D	L	L	E	L	L	I	M

FIGURE 1A

333	CAT	CCT	TTC	TTA	AAA	CCA	GAT	CAG	CAA	AAG	GAA	GTG	GTT	AAC	ATG	GCC	CAG	
H	P	F	L	K	P	D	D	Q	Q	K	E	V	V	N	M	A	Q	
387	AAG	GCT	ATA	ATT	AGA	TAC	TTT	CCT	GTG	TTT	GAA	AAG	ATT	TTA	AGG	GGT	CAC	GGA
K	A	I	I	R	Y	F	P	V	F	E	K	I	L	R	G	H	G	
441	AA	AGC	TTT	CTT	GTT	GGT	AAT	CAG	CTG	AGC	CTT	GCA	GAT	GTG	ATT	TTA	CTC	CAA
S	F	L	V	G	N	Q	L	S	L	A	D	V	I	L	L	L	Q	
495	CC	ATT	TTA	GCT	CTA	GAA	GAG	AAA	ATT	CCT	AAT	ATC	CTG	TCT	GCA	TTT	CCT	TTC
I	L	A	L	E	E	K	I	P	N	I	P	N	I	L	S	A	F	F
549	TC	CAG	GAA	TAC	ACA	GTG	AAA	CTA	AGT	AAT	ATC	CCT	ACA	ATT	AAG	AGA	TTC	C ^T T
Q	E	Y	T	V	K	L	S	N	I	P	T	I	K	R	F	L		
603	AA	CCT	GGC	AGC	AAG	AAG	CCT	CCC	CCT	GAT	GAA	AT ^T	TAT	GTG	AGA	ACC	GTC	
P	G	S	K	K	K	P	P	P	D	E	I	Y	V	R	T	V		

FIGURE 1B

FIGURE 1C

657 666 675 684 693 702
TAC AAC ATC TTT AGG CCA TAA AAC ACA TCC ATG TGT GAG TGA CAG TGT GTT
Y N I F R P

711 720 729 738 747 756
CCT AGA GAT GGT ATT GTC TAC AGT CAT GTC TTA ATG GAT CCC AGC TCT GTC ATG

765 774 783 792
TG CTA TCT ATG TAT TAA GTT GGG TCC TAA GTT GGG TCT TTT GT 3'

1	A R P K L H Y P N G R G R M E S V R W V U L A A G V E F D E E F L E T K E Q H G S T
1	E K P K L H Y S N T R G R M E S I R W L L A A G V E F E E K F I K S A E D 9825605
1	E K P K L H Y F N A R G R M E S T R W L L A A G V E F E E K F I K S A E D 9259141
1	A K P K L Y Y F N G R G R M E S I R W L L A A G V E F E E F L E T R E Q 9193710
41	K L Q D G N H L L F Q Q V P M V E I D G M K L V Q T R S I L H Y I A D K H N H G S T
41	K L R N D G Y L M F Q Q V P M V E I D G M K L V Q T R A I L N Y I A S K Y N 9825605
41	K L R N D G Y L M F Q Q V P M V E I D G M K L V Q T R A I L N Y I A S K Y N 9259141
41	K M Q K D G H L L F G Q V P L V E I D G M M L T Q T R A I L S Y L A K Y N 9193710
81	; K N L K E R T L I D M Y V E G T L D L L E L L I M H P F L K P D D Q Q K E H G S T
81	; K D I K E K A L I D M Y I E G I A D L G E M I L L L P F T Q P E E Q D A K 9825605
81	; K D I K E R A L I D M Y I E G I A D L G E M I L L L P V C P P E E K D A K 9259141
81	; K D L K E R V R I D M Y A D G T Q D L M M M I A V A F E K T P K E K E E S 9193710
121	J M A Q K A I I R Y F P V F E K I L R G H G Q S F L V G N Q L S L A D V I L H G S T
121	I Q E K T K N R Y F P A F E K V L K S H G Q D Y L V G N K L S R A D I H L 9825605
121	I K E K I K N R Y F P A F E K V L K S H G Q D Y L V G N K L S R A D I H L 9259141
121	I L S R A K T R Y F P V F E K I L K D H G E A F L V G N Q L S W A D I Q L 9193710

FIGURE 2A

FIGURE 2B

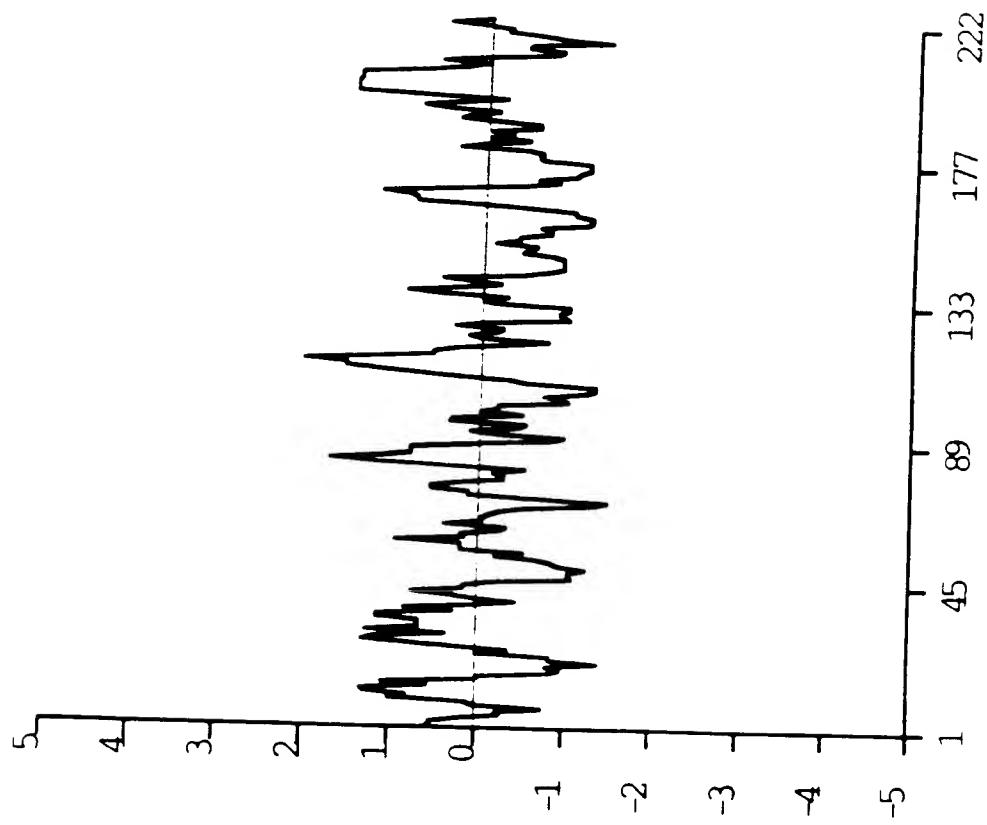


FIGURE 3

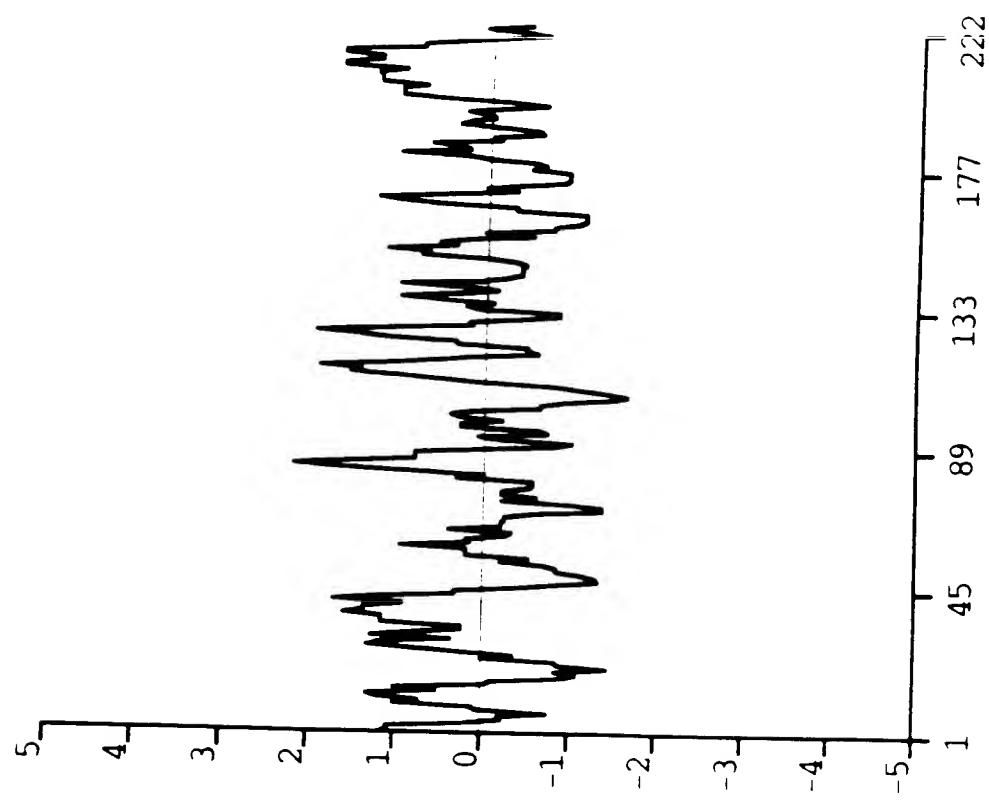


FIGURE 4

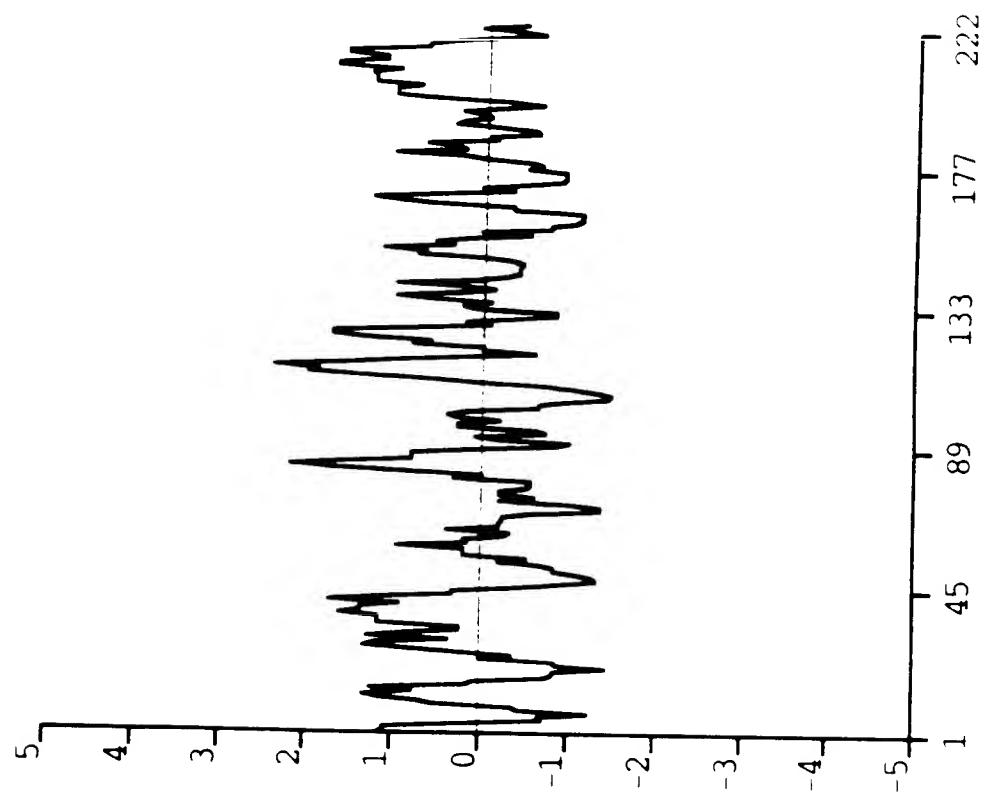


FIGURE 5

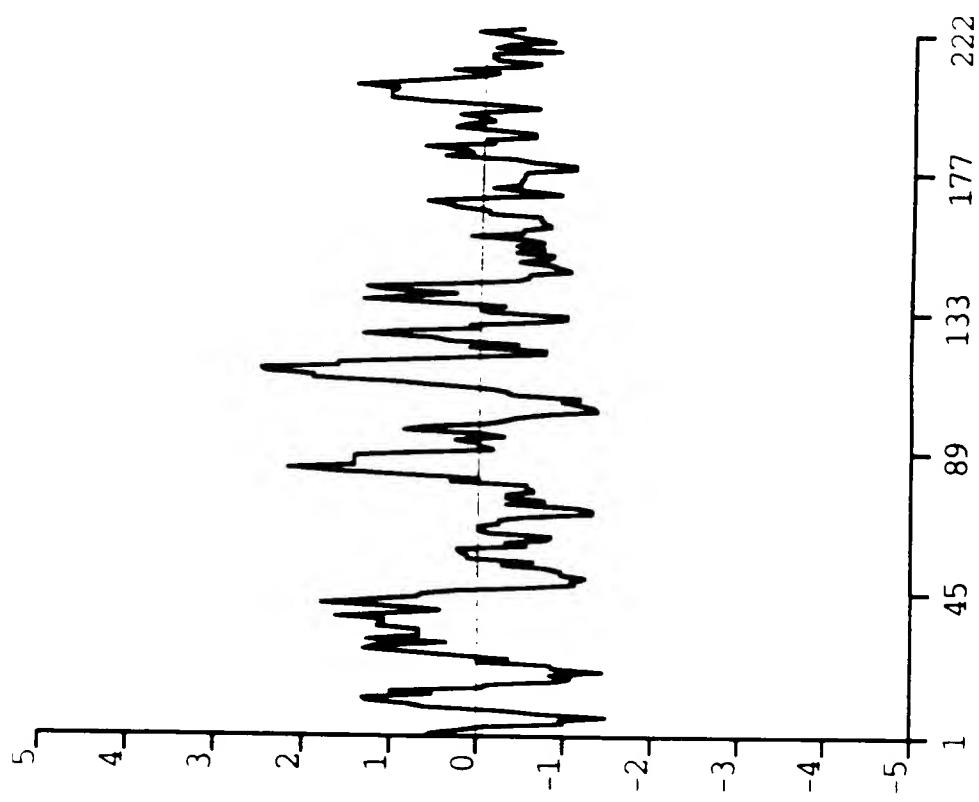


FIGURE 6

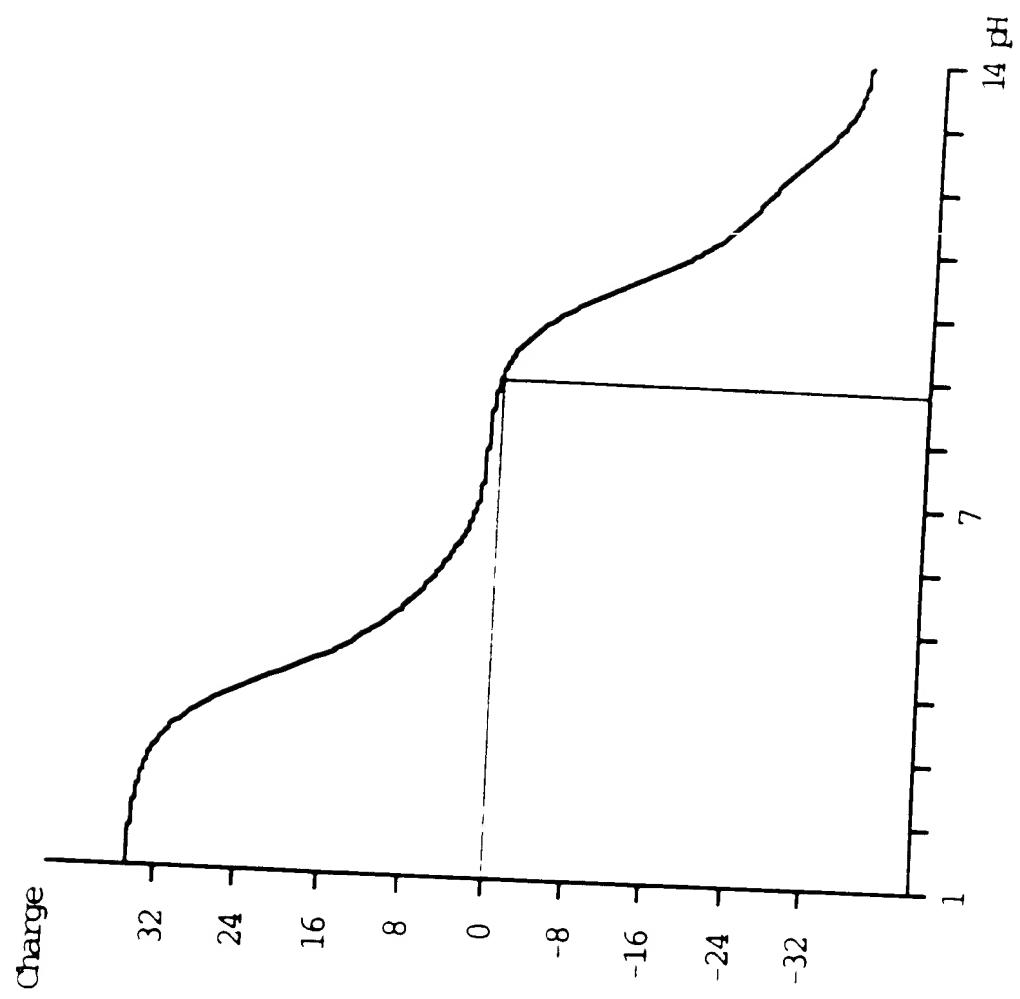


FIGURE 7

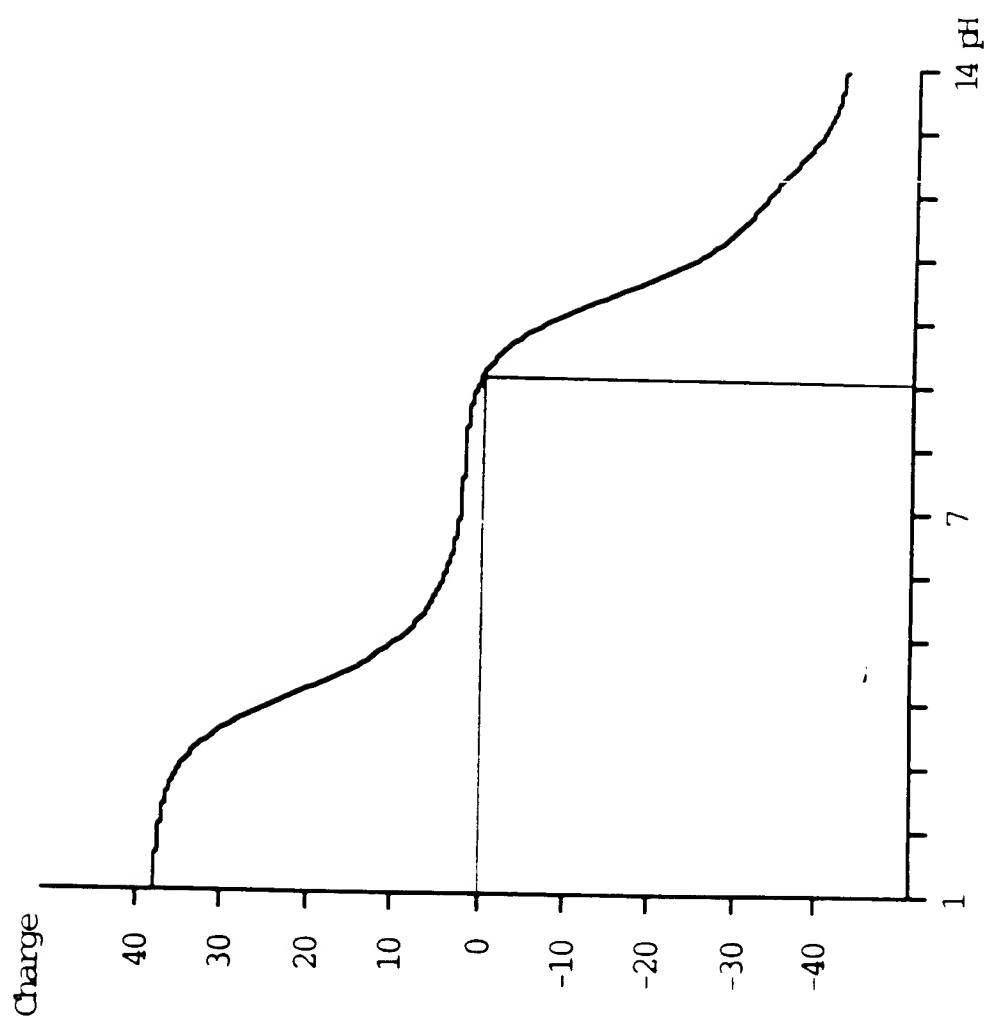


FIGURE 8

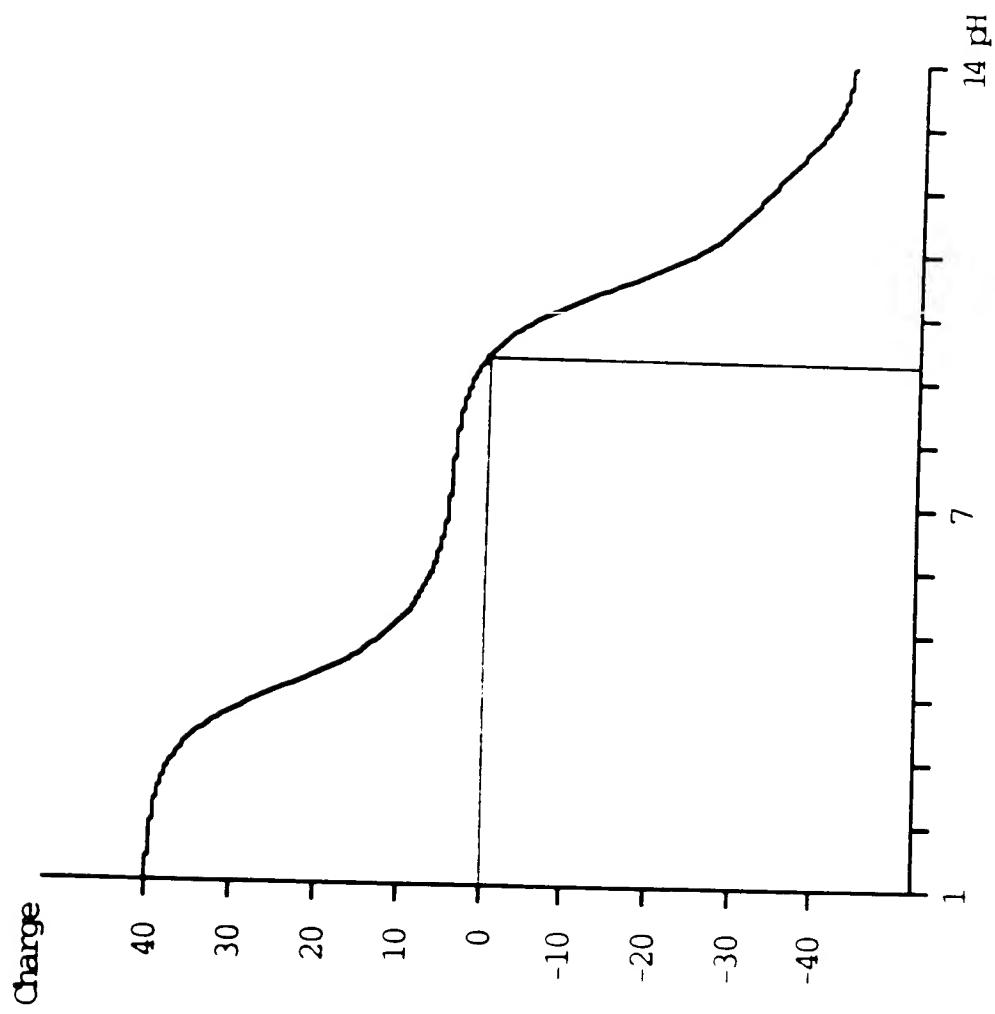


FIGURE 9